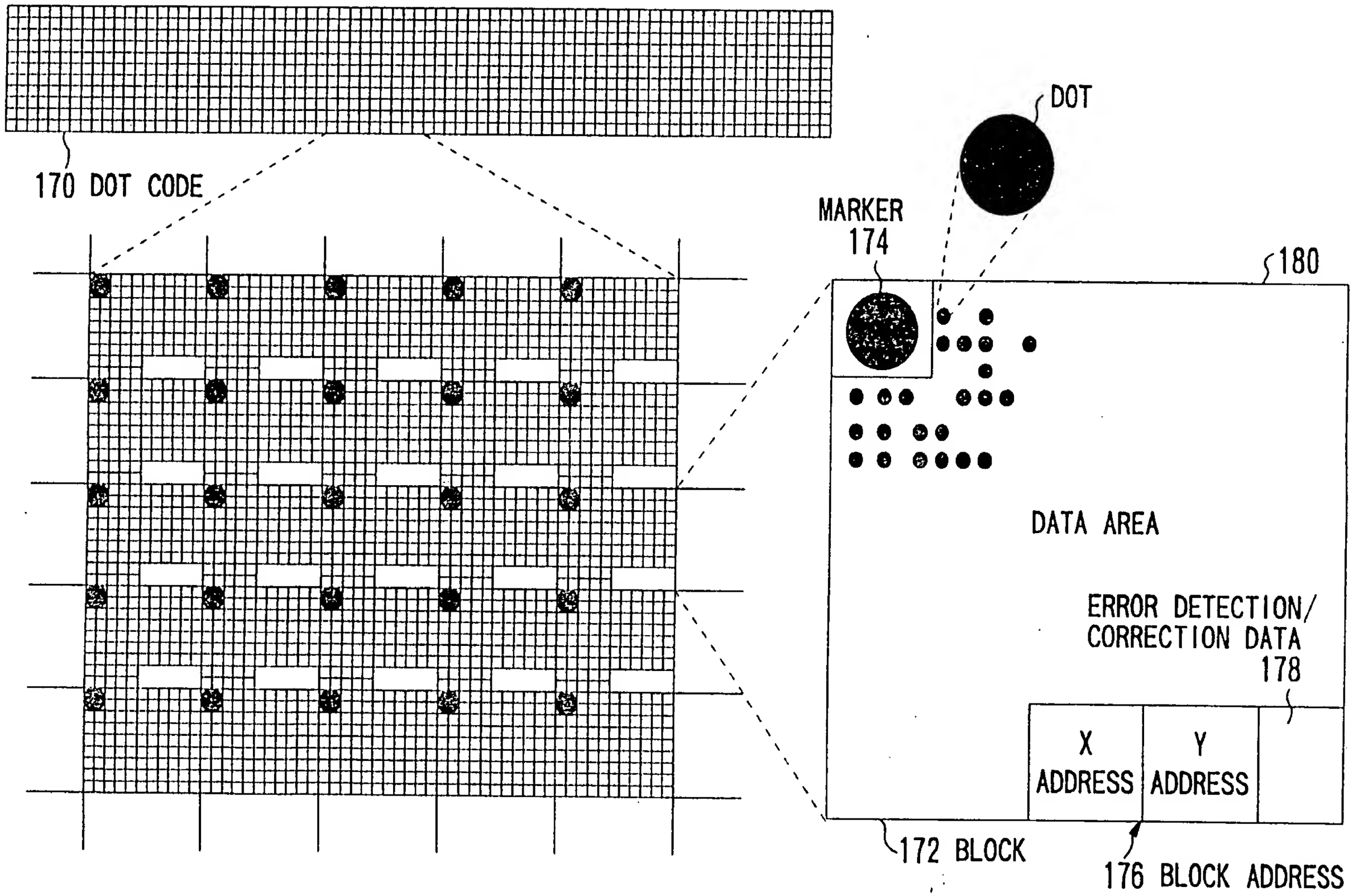


FIG. 1 PRIOR ART

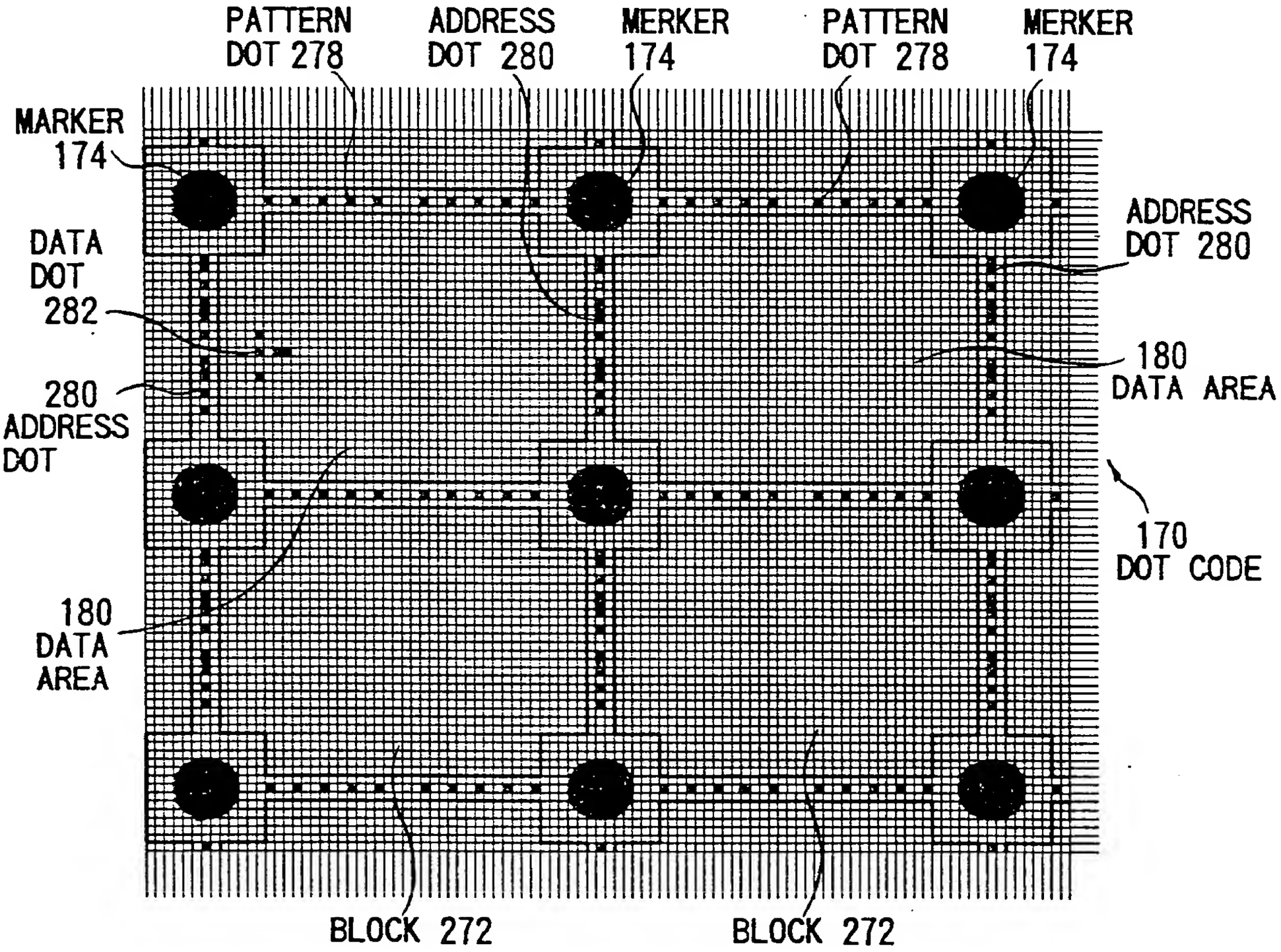
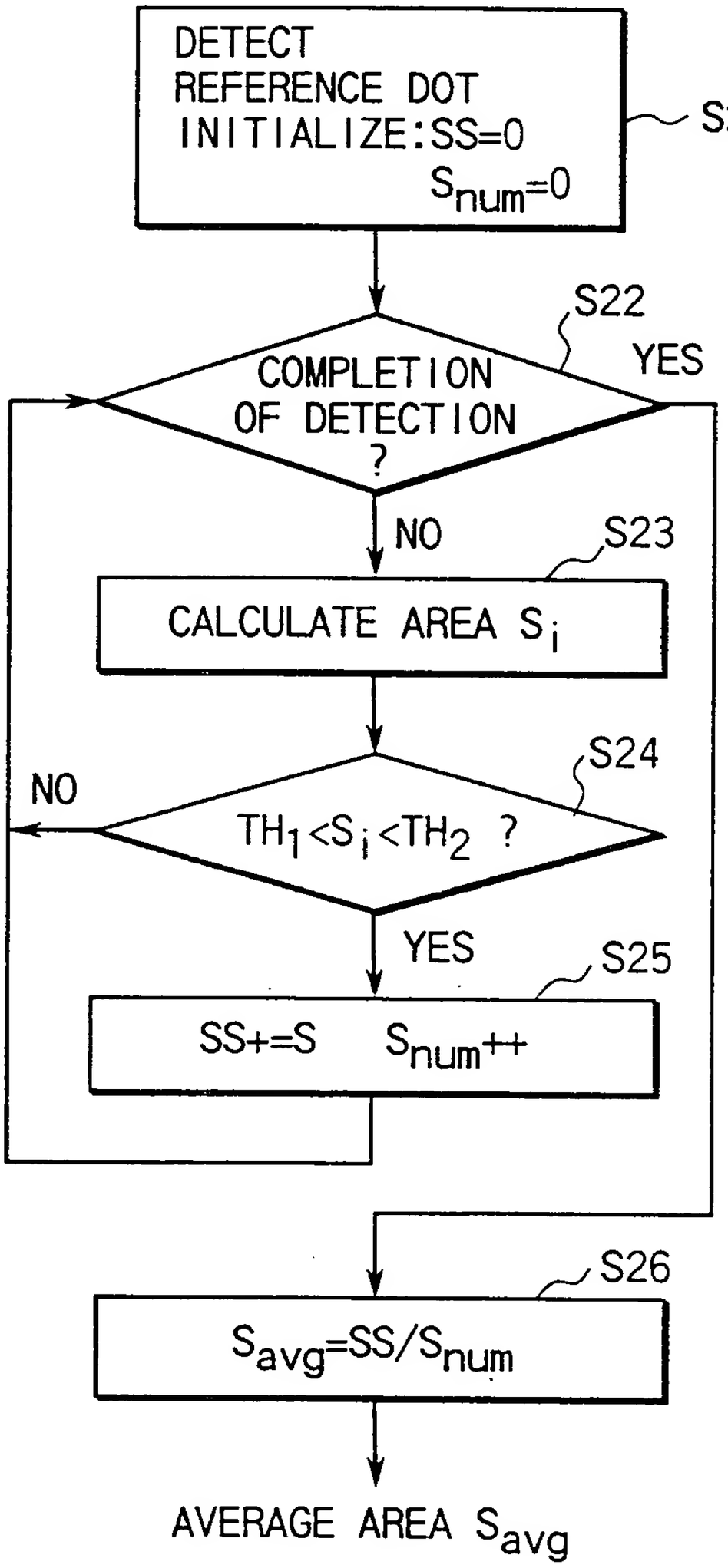
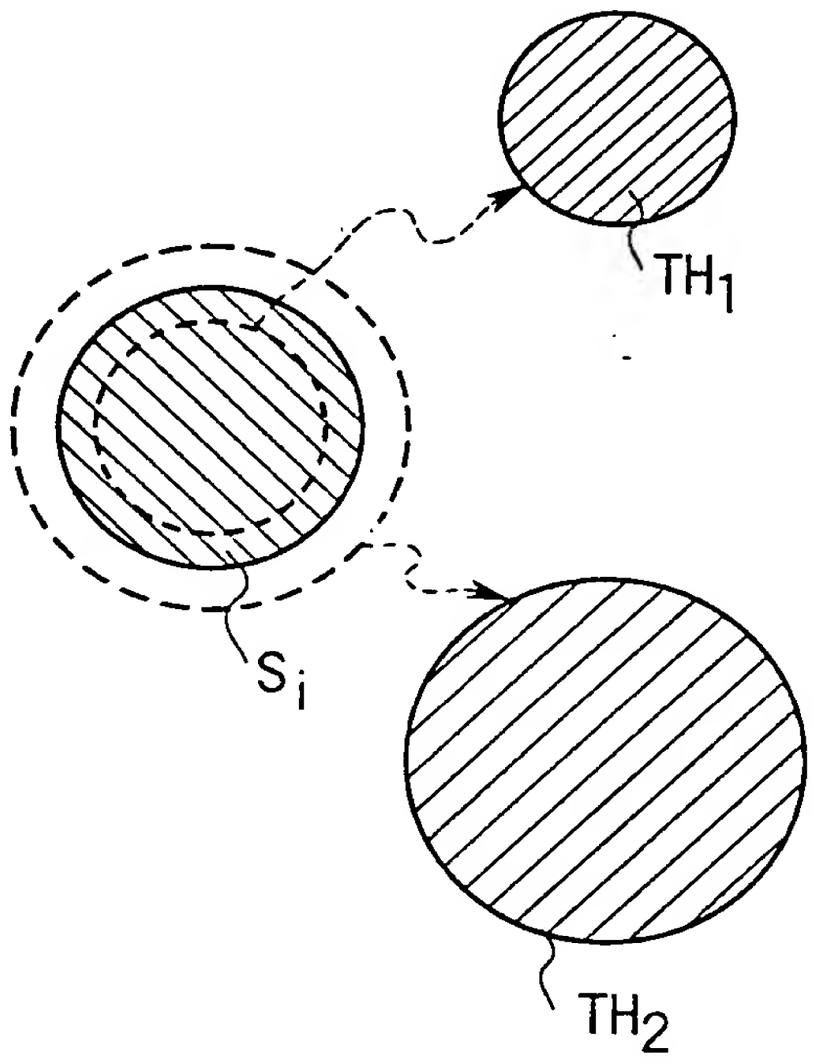


FIG. 3

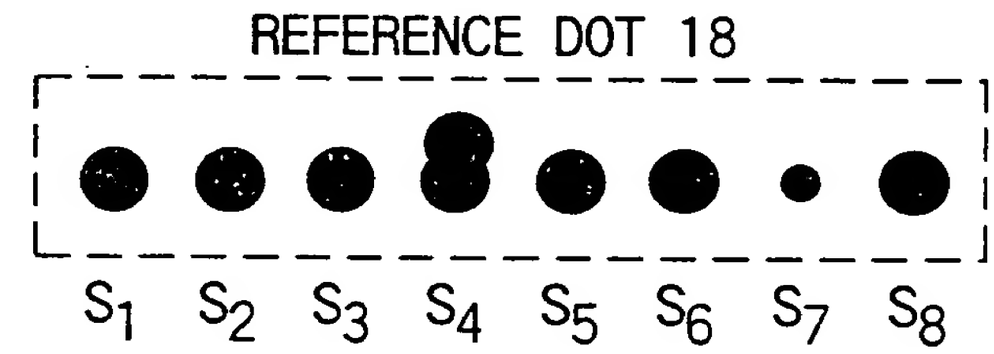
PRIOR ART



F I G. 2 2



F I G. 2 3



F I G. 2 4

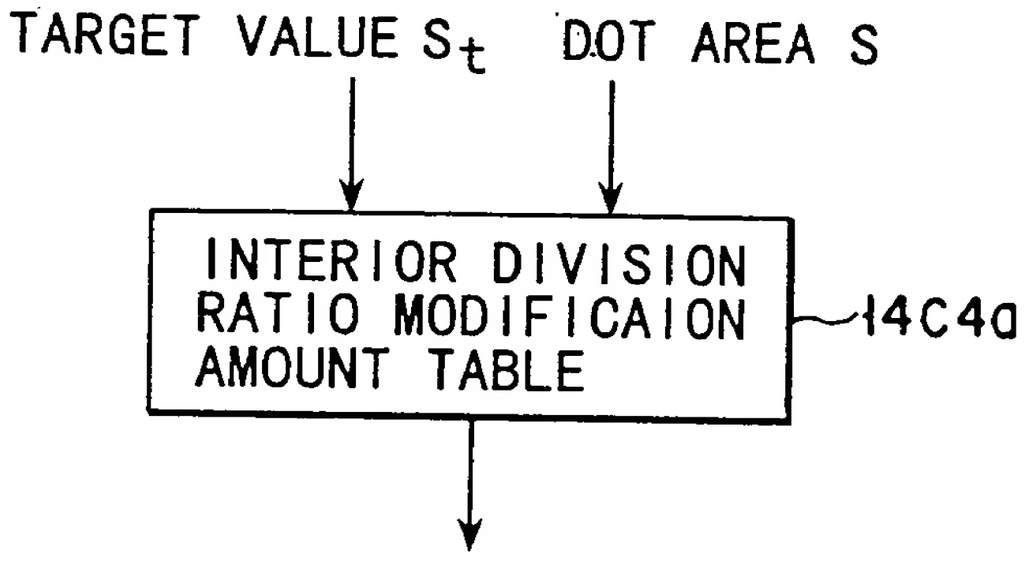


FIG. 36A

INTERIOR DIVISION RATIOR MODIFICTION AMOUNT TABLE 14C4a

S_t \ S	6.0	6.5	7.0	7.5	8.0	8.5
6.0		-0.06	-0.13	-0.20	-0.28	-0.37
6.5	0.05		-0.07	-0.14	-0.21	-0.29
7.0	0.11	0.06		-0.08	-0.15	-0.22
7.5	0.17	0.12	0.07		-0.09	-0.16
8.0	0.24	0.18	0.13	0.08		-0.10
8.5	0.32	0.25	0.19	0.14	0.09	

IF MEASURED DOT AREA IS 7.0 AND TARGET VALUE IS 8.0, THE AMOUNT OF MODIFICATION OF INFERIOR DIVISION RATIO IS $\triangle k = 0.13$ IN ACCORDANCE WITH THE TABLE

FIG. 36B

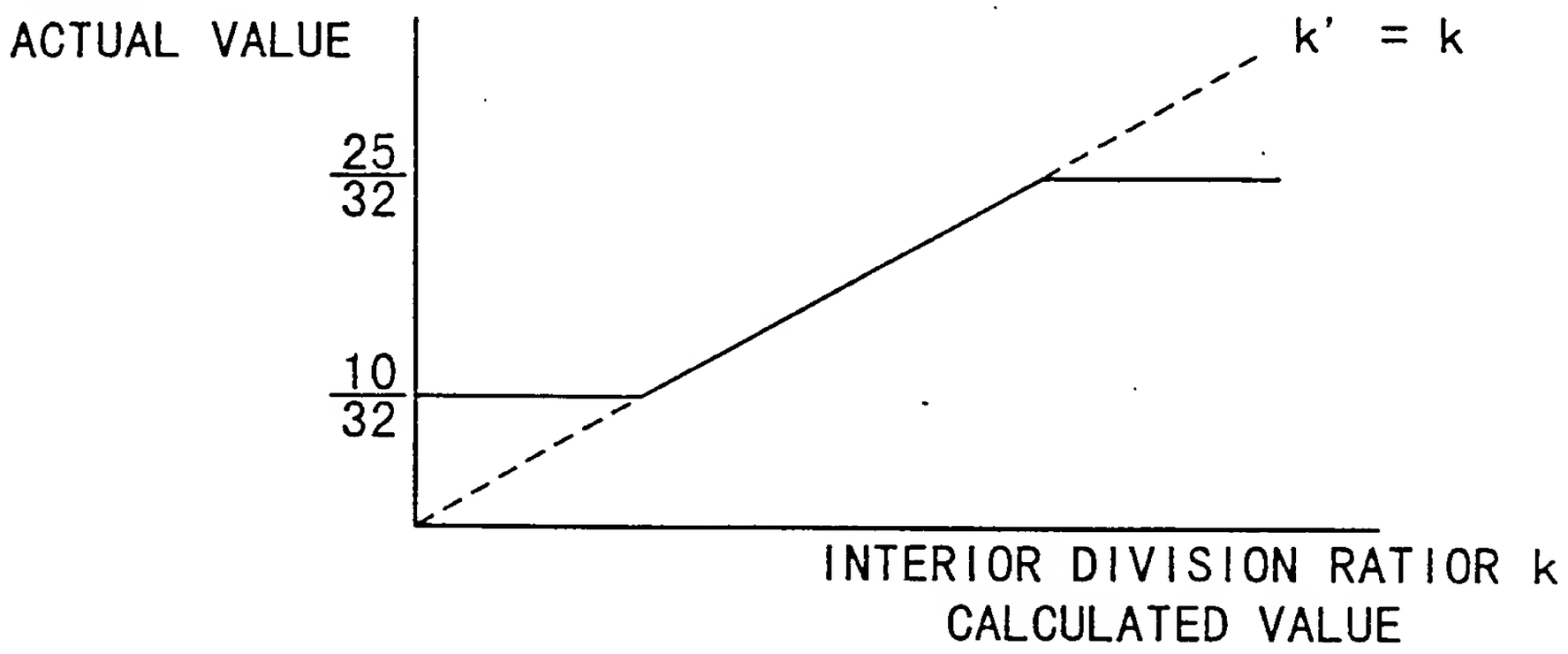


FIG. 41

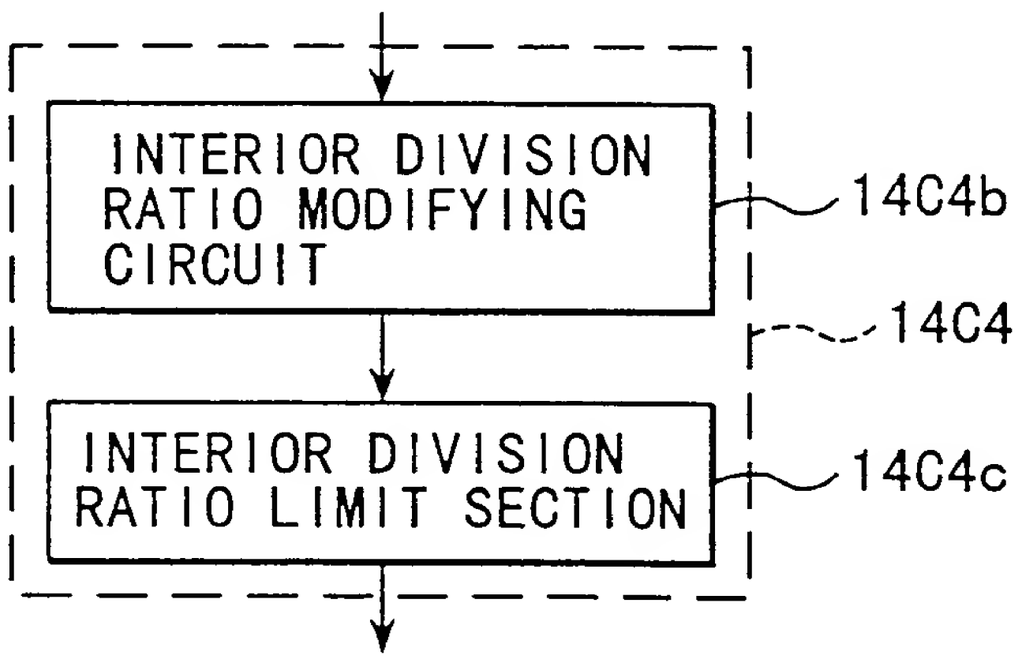


FIG. 42

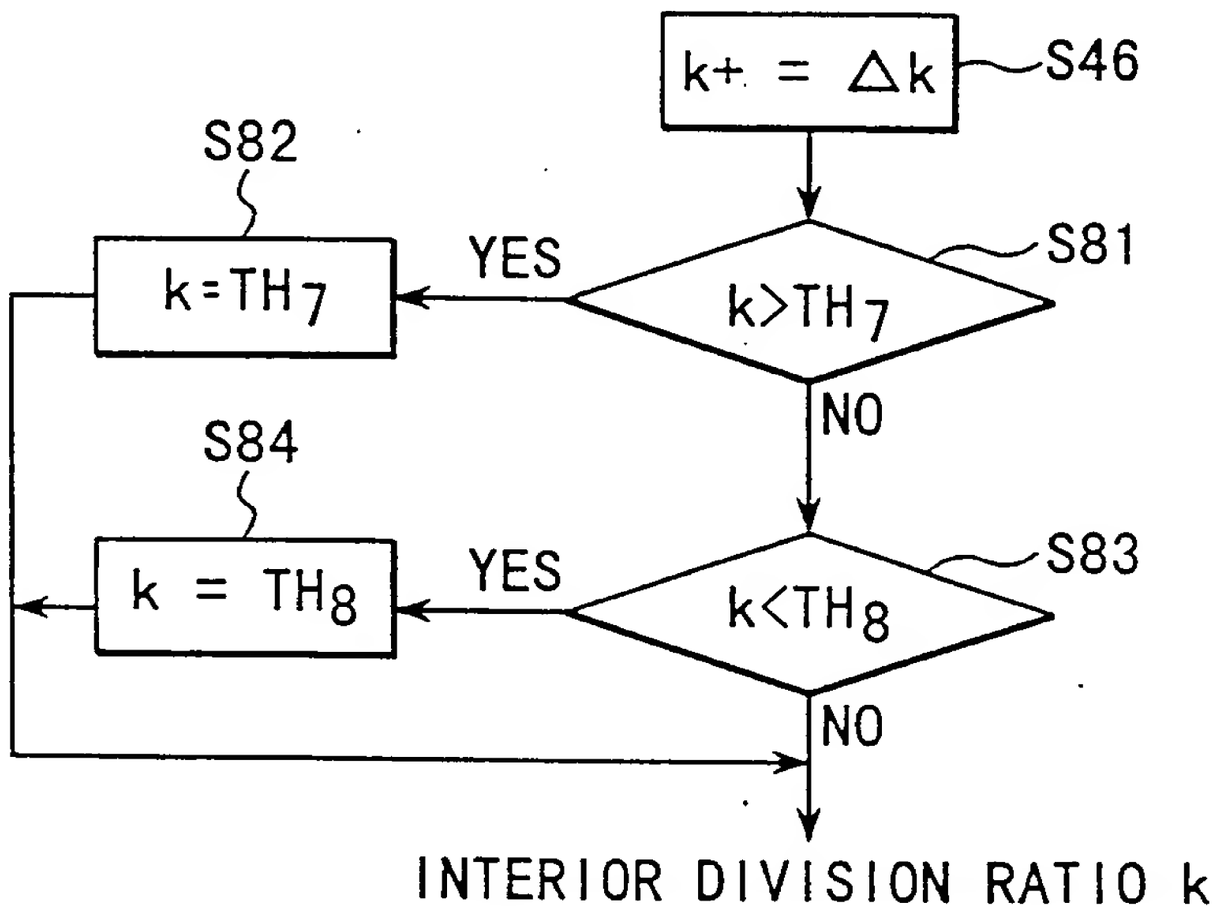


FIG. 43

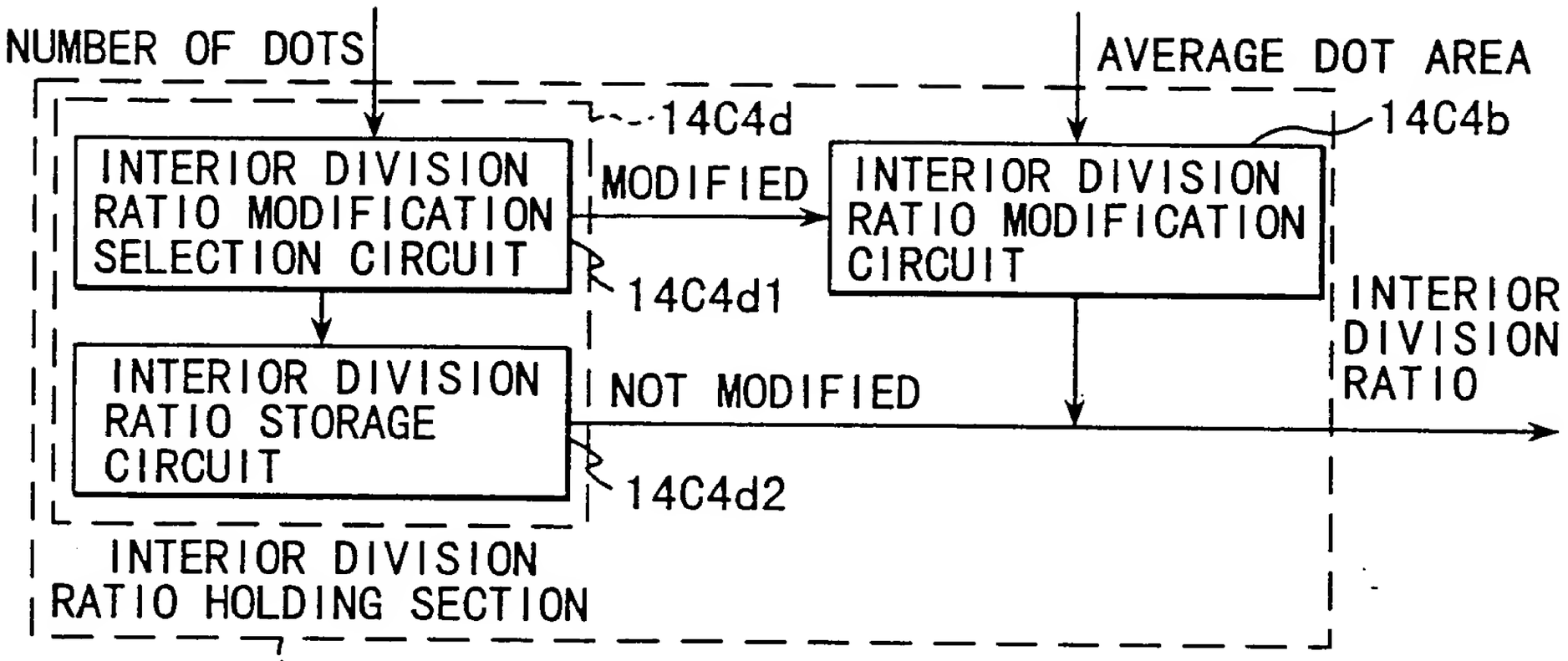

NUMBER OF DOTS
AVERAGE DOT AREA
14C4d
14C4b
INTERIOR DIVISION RATIO MODIFICATION SELECTION CIRCUIT
MODIFIED
INTERIOR DIVISION RATIO MODIFICATION CIRCUIT
14C4d1
INTERIOR DIVISION RATIO
INTERIOR DIVISION RATIO STORAGE CIRCUIT
NOT MODIFIED
14C4d2
INTERIOR DIVISION RATIO HOLDING SECTION
14C4

FIG. 44

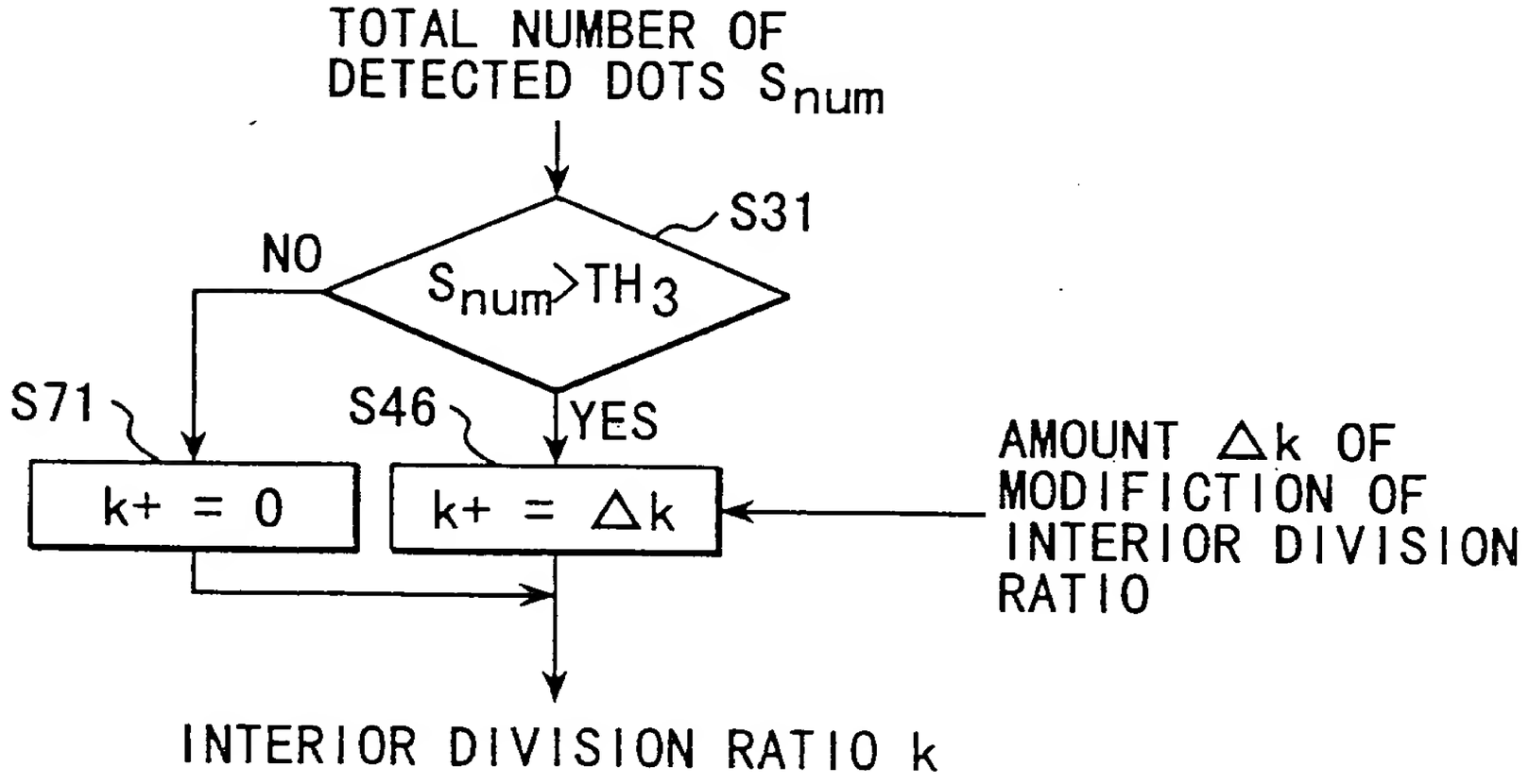

TOTAL NUMBER OF DETECTED DOTS S_{num}
S31
NO
$S_{num} > TH_3$
S71
S46
YES
k+ = 0
k+ = Δk
AMOUNT Δk OF MODIFICTION OF INTERIOR DIVISION RATIO
INTERIOR DIVISION RATIO k

FIG. 45

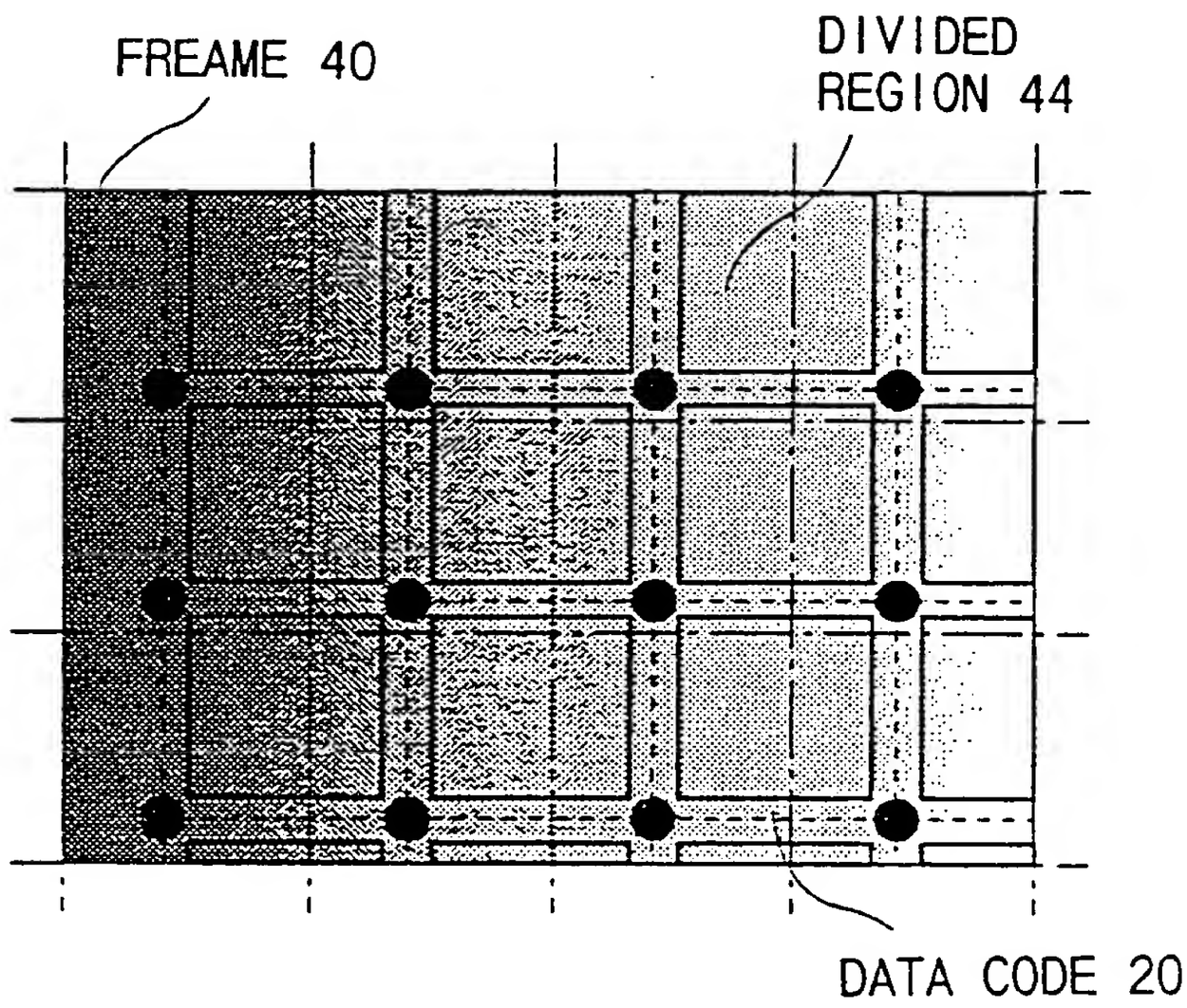

FREAME 40
DIVIDED REGION 44
DATA CODE 20

FIG. 49

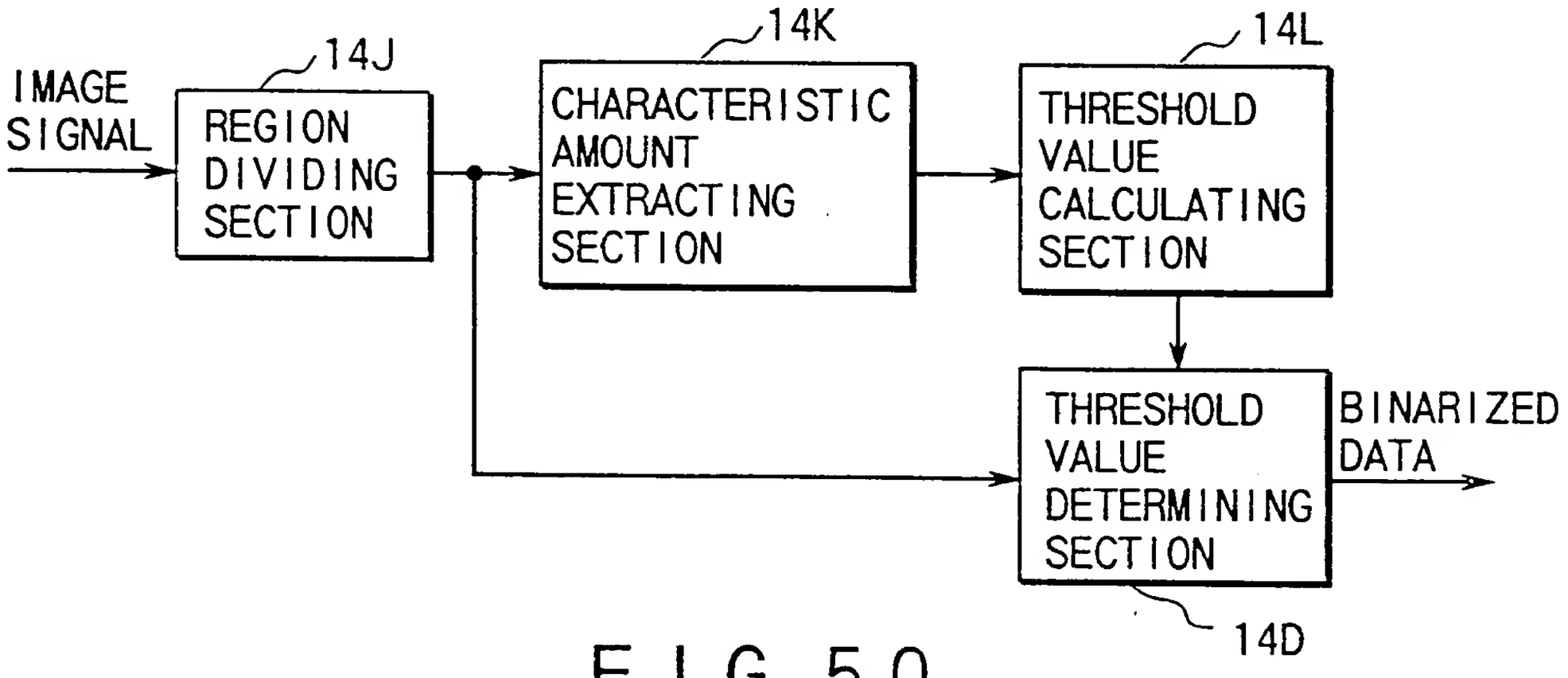


IMAGE SIGNAL
14J
REGION DIVIDING SECTION
14K
CHARACTERISTIC AMOUNT EXTRACTING SECTION
14L
THRESHOLD VALUE CALCULATING SECTION
THRESHOLD VALUE DETERMINING SECTION
14D
BINARIZED DATA

FIG. 50

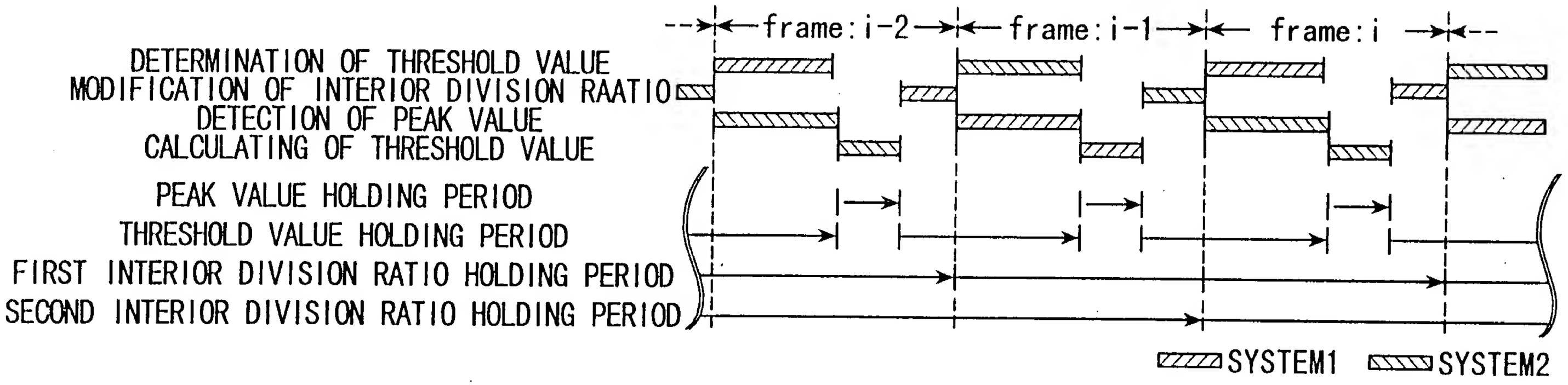

frame:i-2
frame:i-1
frame:i
DETERMINATION OF THRESHOLD VALUE
MODIFICATION OF INTERIOR DIVISION RAATIO
DETECTION OF PEAK VALUE
CALCULATING OF THRESHOLD VALUE
PEAK VALUE HOLDING PERIOD
THRESHOLD VALUE HOLDING PERIOD
FIRST INTERIOR DIVISION RATIO HOLDING PERIOD
SECOND INTERIOR DIVISION RATIO HOLDING PERIOD
SYSTEM1
SYSTEM2

FIG. 67